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TITLE: View improving system for vehicle - has illumination optics, radiating IR light with fixed transmission polarisation

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INVENTOR-INFORMATION:

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ABSTRACT:

CHG DATE=19990617 STATUS=O>The view improving system is for use in darkness, bad weather, and fog, realised by radiation and reception of e.m. waves. An illumination optic radiates IR light with a fixed transmission polarisation in a preset spatial angular range. A reception optic receives reflected parts of the radiated light in a reception polarisation orthogonal to the transmission

one. A display optic reproduces the image signal obtained from the reception optic. The radiated light is pref. horizontally or vertically polarised. The reception optic may contain a spectral line filter. The emitted light is a radiation beam, widened in a plane through the coupling line of illumination and reception optics. USE/ADVANTAGE - For cars, lorries, buses, locomotives, and aircraft, with considerable improvement of vision under difficult conditions.